

Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
334220, Radio and television broadcasting and wireless communications equipment manufacturing	2002..	929	1 041	99 538	5 341 817	42 045	79 595	1 518 974	14 679 217	17 664 691	31 879 783	'883 197
	2001..	N	N	149 537	7 954 106	65 792	126 637	2 352 430	19 301 473	26 470 705	45 334 406	1 778 556
	2000..	N	N	159 166	8 681 744	76 707	152 077	2 818 614	23 961 480	29 367 173	52 305 949	2 107 237
	1999..	N	N	141 726	7 155 428	67 026	131 167	2 312 178	20 482 707	19 621 447	40 647 053	1 334 028
	1998..	N	N	161 264	7 514 117	79 343	156 150	2 648 628	20 446 628	19 785 508	40 138 927	1 749 425
	1997..	1 096	1 219	166 801	7 572 853	81 758	160 572	2 712 736	21 773 109	19 322 745	40 373 077	1 841 106

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
334220, Radio and television broadcasting and wireless communications equipment manufacturing												
United States.....	1	1 041	491	99 538	5 341 817	42 045	79 595	1 518 974	14 679 217	17 664 691	31 879 783	'883 197
Arizona.....	3	21	9	1 055	51 658	622	1 413	21 770	113 698	103 080	218 686	'5 096
California.....	1	281	146	36 549	2 264 920	11 190	20 742	473 721	5 799 362	5 621 874	10 467 174	'475 278
Colorado.....	4	19	8	906	49 091	415	724	13 979	93 685	76 467	164 226	'3 153
Connecticut.....	5	18	12	1 171	55 883	539	1 086	15 832	115 315	101 289	216 913	'2 492
Florida.....	—	57	21	7 853	411 251	3 194	5 416	104 575	1 795 826	1 525 932	3 321 366	'56 586
Georgia.....	1	22	9	1 291	74 339	612	1 192	20 730	166 623	186 113	348 367	'6 021
Illinois.....	—	40	16	3 215	174 121	1 980	4 350	90 057	1 094 723	1 235 023	2 514 393	'12 183
Iowa.....	—	7	5	1 248	47 234	809	1 797	22 487	96 117	159 382	253 357	'13 520
Maryland.....	—	37	28	6 595	387 309	1 318	2 346	52 578	518 666	1 355 368	1 893 315	'72 811
Michigan.....	1	7	2	148	4 674	105	240	2 309	9 119	9 372	18 755	'473
Minnesota.....	6	11	3	481	18 895	217	411	5 369	31 395	42 819	73 937	'1 130
New Jersey.....	3	54	31	3 516	192 874	1 568	3 104	51 765	403 115	294 733	706 092	'12 628
New York.....	2	61	33	6 556	310 542	3 617	7 100	117 235	552 963	664 746	1 270 177	'22 580
North Carolina.....	—	21	11	1 734	70 317	994	1 764	29 131	258 568	264 056	542 414	'10 804
Pennsylvania.....	—	52	20	3 399	190 903	1 495	2 940	58 087	251 264	328 734	584 270	'17 124
Texas.....	—	62	29	7 038	348 536	3 804	7 176	126 299	1 591 780	3 879 434	5 712 778	'49 325
Utah.....	—	8	3	380	15 227	158	340	4 902	38 865	26 476	65 033	'787
Virginia.....	1	17	8	815	24 800	632	1 313	14 305	101 697	166 308	254 610	'3 451
Washington.....	3	24	10	729	35 627	357	697	11 367	67 915	46 110	115 030	'1 021
Wisconsin.....	2	10	4	234	10 794	142	255	4 224	21 083	22 357	43 572	'557

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
334220, Radio and television broadcasting and wireless communications equipment manufacturing	
Companies ¹	929
All establishments ²	1 041
Establishments with 1 to 19 employees	550
Establishments with 20 to 99 employees	307
Establishments with 100 employees or more	184
All employees ³	99 538
Total compensation	6 738 495
Annual payroll	5 341 817
Total fringe benefits	1 396 678
Production workers, average for year	42 045
Production workers on March 12	43 407
Production workers on May 12	43 459
Production workers on August 12	42 306
Production workers on November 12	38 927
Production worker hours	79 595
Production worker wages	1 518 974
Total cost of materials	17 664 691
Materials, parts, containers, packaging, etc., used	15 503 002
Resales	878 472
Purchased fuels	14 550
Purchased electricity	96 623
Contract work	1 172 044
Quantity of electricity purchased for heat and power	1 349 888
Quantity of electricity generated less sold for heat and power	—
Total value of shipments	31 879 783
Primary products value of shipments	28 452 647
Secondary products value of shipments	2 008 451
Total miscellaneous receipts	1 418 685
Value of resales	1 209 204
Contract receipts	15 062
Other miscellaneous receipts	194 419
Primary products specialization ratio	93
Value of primary products shipments made in all industries	30 083 633
Value of primary products shipments made in this industry	28 452 647
Value of primary products shipments made in other industries	1 630 986
Coverage ratio	95
Value added	14 679 217
Total inventories, beginning of year	6 911 801
Finished goods inventories	1 644 680
Work-in-process inventories	3 246 729
Materials and supplies inventories	2 020 392
Total inventories, end of year	7 220 237
Finished goods inventories	1 088 363
Work-in-process inventories	4 267 171
Materials and supplies inventories	1 864 703
Gross value of depreciable assets (acquisition costs) at beginning of year	'10 171 582
Total capital expenditures (new and used)	'883 197
Buildings and other structures (new and used)	'255 209
Machinery and equipment (new and used)	'627 988
Automobiles, trucks, etc., for highway use	'11 002
Computers and peripheral data processing equipment	'105 249
All other expenditures for machinery and equipment	'511 737
Total retirements	'1 870 565
Gross value of depreciable assets at end of year	'9 184 214
Depreciation charges during year	'889 649
Total rental payments	359 280
Buildings and other structures	226 531
Machinery and equipment	132 749
Total other expenses ⁴	1 904 937
Response coverage ratio ⁵	63
Repair and maintenance services of buildings and/or machinery ⁴	131 458
Communications services ⁴	187 270
Legal services ⁴	59 563
Accounting, auditing, and bookkeeping services ⁴	24 996
Advertising and promotional services ⁴	149 925
Expensed computer hardware and supplies and purchased computer services ⁴	84 718
Refuse removal (including hazardous waste) services ⁴	12 270
Management consulting and administrative services ⁴	176 701
Taxes and license fees ⁴	50 563
All other expenses ⁴	1 027 474

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
334220, Radio and television broadcasting and wireless communications equipment manufacturing											
All establishments	1	1 041	99 538	5 341 817	42 045	79 595	1 518 974	14 679 217	17 664 691	31 879 783	'883 197
Establishments with —											
1 to 4 employees	9	257	524	24 613	327	543	7 936	40 009	52 780	93 286	'1 383
5 to 9 employees	8	142	974	52 013	545	1 066	16 375	90 344	121 365	212 828	'3 588
10 to 19 employees	6	151	2 056	104 813	1 087	2 091	32 446	201 493	231 439	436 847	'8 914
20 to 49 employees	4	181	5 864	305 052	2 858	5 597	95 251	611 015	499 302	1 097 797	'32 645
50 to 99 employees	3	126	9 057	451 641	4 462	8 815	137 034	941 810	817 016	1 773 731	'30 795
100 to 249 employees	3	112	17 925	920 443	8 393	15 847	273 809	1 924 042	1 682 918	3 619 143	'92 168
250 to 499 employees	1	41	13 893	674 589	6 984	13 566	226 735	1 473 230	1 895 702	3 717 647	'73 496
500 to 999 employees	—	13	8 560	407 464	4 765	9 541	185 373	1 726 711	1 644 304	3 537 850	'41 121
1,000 to 2,499 employees	—	13	16 149	722 639	9 082	17 170	317 933	3 645 270	6 314 563	9 929 627	'171 837
2,500 employees or more	—	5	24 536	1 678 550	3 542	5 359	226 082	4 025 293	4 405 302	7 461 027	427 250
Administrative records ⁴	9	389	2 064	110 677	1 260	2 467	35 395	179 406	239 649	419 048	'6 395

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
334220	Radio and television broadcasting and wireless communications equipment manufacturing	1 041	99 538	5 341 817	42 045	79 595	1 518 974	14 679 217	17 664 691	31 879 783	'883 197
3342201	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast)	301	70 842	3 886 790	27 985	52 084	1 062 438	11 649 912	14 689 536	25 886 394	'760 730
3342202	Broadcast, studio, and related electronic equipment	105	14 687	676 504	7 553	15 402	247 972	1 641 198	1 601 569	3 232 968	'66 312

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2002..			
		1997..			
3342201	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast)	2002..			
		1997..			
33422011	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast)	2002..			
		1997..			
3342201100	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast) ¹	2002..			
		1997..			
3342202	Broadcast, studio, and related electronic equipment	2002..			
		1997..			
33422021	Broadcast, studio, and related electronic equipment	2002..			
		1997..			
3342202100	Broadcast, studio, and related electronic equipment ¹	2002..			
		1997..			
334220W	Radio and television broadcasting and wireless communications equipment manufacturing, nsk, total	2002..			
		1997..			
334220WY	Radio and television broadcasting and wireless communications equipment manufacturing, nsk, total	2002..			
		1997..			
334220WYWW	Radio and television broadcasting and wireless communications equipment manufacturing, nsk, for nonadministrative-record establishments	2002..			
		1997..			
334220WYWY	Radio and television broadcasting and wireless communications equipment manufacturing, nsk, for administrative-record establishments	2002..			
		1997..			

¹For additional detail, see Current Industrial Report MA334P, Communication and Other Electronic Equipment.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3342201	Communication systems and equipment, including microwave equipment, and space satellites (except broadcast)	
	United States 2002 . .	24 556 369
	United States 1997 . .	30 899 871
	Arizona 2002 . .	117 878
	Arizona 1997 . .	383 559
	California 2002 . .	7 654 057
	California 1997 . .	6 448 587
	Colorado 2002 . .	106 407
	Colorado 1997 . .	217 273
	Connecticut 2002 . .	54 866
	Connecticut 1997 . .	119 369
	Florida 2002 . .	3 106 085
	Florida 1997 . .	3 609 162
	Georgia 2002 . .	307 337
	Georgia 1997 . .	842 487
	Iowa 2002 . .	257 630
	Iowa 1997 . .	711 104
	Maryland 2002 . .	1 527 555
	Maryland 1997 . .	999 323
	Massachusetts 2002 . .	304 177
	Massachusetts 1997 . .	956 453
	New Hampshire 2002 . .	13 192
	New Hampshire 1997 . .	62 588
	New Jersey 2002 . .	386 446
	New Jersey 1997 . .	941 211
	New York 2002 . .	746 036
	New York 1997 . .	768 417
	North Carolina 2002 . .	451 333
	North Carolina 1997 . .	1 517 197
	Ohio 2002 . .	84 164
	Ohio 1997 . .	268 820
	Oregon 2002 . .	252 739
	Oregon 1997 . .	122 483
	Pennsylvania 2002 . .	253 823
	Pennsylvania 1997 . .	347 570
	Texas 2002 . .	5 400 438
	Texas 1997 . .	2 387 498
	Utah 2002 . .	7 955
	Utah 1997 . .	N
	Virginia 2002 . .	164 815
	Virginia 1997 . .	1 350 748
	Washington 2002 . .	58 497
	Washington 1997 . .	111 586
3342202	Broadcast, studio, and related electronic equipment	
	United States 2002 . .	3 192 407
	United States 1997 . .	N
	California 2002 . .	1 029 908
	California 1997 . .	N
	Colorado 2002 . .	8 951
	Colorado 1997 . .	N
	Florida 2002 . .	46 706
	Florida 1997 . .	N
	Maine 2002 . .	36 845
	Maine 1997 . .	N
	Massachusetts 2002 . .	116 783
	Massachusetts 1997 . .	N
	New Jersey 2002 . .	156 219
	New Jersey 1997 . .	N
	New York 2002 . .	287 104
	New York 1997 . .	N
	Ohio 2002 . .	161 954
	Ohio 1997 . .	N
	Pennsylvania 2002 . .	206 091
	Pennsylvania 1997 . .	N
	Texas 2002 . .	113 119
	Texas 1997 . .	N
	Washington 2002 . .	24 137
	Washington 1997 . .	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
334220	Radio and television broadcasting and wireless communications equipment manufacturing		
00900001	Total materials .....2002..	X	15 503 002
	.....1997..	X	16 768 327
33441200	Printed circuit boards (without inserted components) for electronic circuitry .....2002..	X	308 135
	.....1997..	X	1 028 338
001900C4	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components) .....2002..	X	442 723
	.....1997..	X	656 221
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry .....2002..	X	452 304
	.....1997..	X	2 589 043
33441400	Capacitors for electronic circuitry .....2002..	X	46 560
	.....1997..	X	132 281
33441500	Resistors for electronic circuitry .....2002..	X	26 465
	.....1997..	X	69 323
001900D3	All other miscellaneous components and accessories, for electronic circuitry (excluding tubes) .....2002..	X	208 049
	.....1997..	X	1 320 595
33422001	Electronic communication equipment .....2002..	X	4 171 063
	.....1997..	X	2 008 924
33451501	Electrical instrument mechanisms and meter movements (including instrument relays) .....2002..	X	89 871
	.....1997..	X	47 454
33411001	Electronic computer equipment .....2002..	X	81 330
	.....1997..	X	N
33411200	Purchased peripheral storage devices .....2002..	X	24 208
	.....1997..	X	N
33593101	Current-carrying wiring devices .....2002..	X	32 182
	.....1997..	X	74 969
331000A7	Insulated wire and cable (including magnet wire) .....2002..	X	70 227
	.....1997..	X	554 232
33431005	Loudspeakers, microphones, and tuners (all types) .....2002..	X	7 347
	.....1997..	X	10 456
33531211	Fractional horsepower electric motors (less than 1 hp) .....2002..	X	6 306
	.....1997..	X	13 010
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	12 030
	.....1997..	X	14 463
32610007	Fabricated plastics products (excluding gaskets, hoses, and belting) .....2002..	X	48 021
	.....1997..	X	49 023
332000A9	Sheet metal products (excluding stampings) .....2002..	X	75 828
	.....1997..	X	359 269
332000AC	Metal stampings .....2002..	X	13 935
	.....1997..	X	35 050
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	45 501
	.....1997..	X	74 225
33200033	Other fabricated metal products (excluding forgings) .....2002..	X	48 932
	.....1997..	X	236 647
33210000	Forgings .....2002..	X	D
	.....1997..	X	N
33100035	Castings, rough and semifinished .....2002..	X	D
	.....1997..	X	110 235
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	52 958
	.....1997..	X	29 880
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	25 838
	.....1997..	X	N
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	12 023
	.....1997..	X	12 049
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	28 432
	.....1997..	X	43 227
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	4 804 009
	.....1997..	X	2 021 940
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	4 351 968
	.....1997..	X	5 277 473

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.